



APPROVED
CONTRACTOR

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor or Competing Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable LU5 5ZX

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DPN5/ 0505924

DOMESTIC ELECTRICAL INSTALLATION CONDITION REPORT (FOR A SINGLE DWELLING)

A. DETAILS OF THE CLIENT

Client:

PAUL & JILL RESIDENTIAL

Address:

31 ERLING ROAD READING

Postcode: RG1 5NB

B. PURPOSE OF THE REPORT

Purpose for which this report is required:

TENANCY

Date(s) on which inspection and testing were carried out:

20-3-2013

C. DETAILS OF THE INSTALLATION

Occupier:

Address:

FLAT 4
41 ERLING ROAD READING

Postcode: RG1 5NB

Estimated age of the electrical installation:

30 years

Evidence of alterations or additions

YES If yes, estimated age

Date of previous inspection:

NOT KNOWN

Electrical Installation Certificate No or previous Periodic Inspection or Condition Report No:

—

Records of installation available:

Records held by: —

D. EXTENT OF THE INSTALLATION AND LIMITATIONS ON THE INSPECTION AND TESTING

Extent of the electrical installation covered by this report:

ALL FIXED WIRING TO THE POWER AND LIGHTING

Agreed limitations including the reasons, if any, on the inspection and testing:

100% INSPECTION & TEST OF ACCESSORIES
100% INSPECTION & TEST OF SUBTERRANEAN

Agreed with:

CLIENT

Operational limitations including the reasons (see page No. 1)

CABLES CONCEALED IN WALLS AND FLOORS ETC.
HAVE NOT INSPECTED

The inspection and testing have been carried out in accordance with BS 7671, as amended. Cables concealed within trunking and conduits, or cables and conduits concealed under floors, in inaccessible roof spaces and generally within the fabric of the building or underground, have not been visually inspected.

E. SUMMARY OF THE CONDITION OF THE INSTALLATION

General condition of the installation (in terms of electrical safety):

THE INSTALLATION GENERALLY IS IN GOOD WORKING CONDITION

Summary of the condition of the installation continued on additional pages? No Yes Specify page No(s):

Overall assessment of the installation:

SATISFACTORY / ~~UNSATISFACTORY~~

(Delete as appropriate)

An 'Unsatisfactory' assessment indicates that dangerous and/or potentially dangerous conditions have been identified



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OBSERVATIONS AND RECOMMENDATIONS FOR ACTIONS TO BE TAKEN

Referring to the attached schedules of inspection and test results, and subject to the limitations at D:

There are no items adversely affecting electrical safety ☒ or The following observations and recommendations for action are made

Item No. Observations Classification code † Further investigation required (Y or V)

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G. DECLARATION

I/We, being the person(s) responsible for the inspection and testing of the electrical installation (as indicated by my/our signatures below), particulars of which are described on page 1 (see C), having exercised reasonable skill and care when carrying out the inspection and testing, hereby declare that the information in this report, including the observations (see F) and the attached schedules (see H), provides an accurate assessment of the condition of the electrical installation taking into account the stated extent of the inspection and the limitations on the inspection and testing (see D).

I/We further declare that in my/our judgement, the said installation was overall in

SATISFACTORY / UNSATISFACTORY*

condition (see F) at the time the inspection was carried out, and that it should be further inspected as recommended (see I).

*Delete as appropriate

INSPECTION, TESTING AND ASSESSMENT BY:

Signature:

Name:

(CAPITALS)

Position:

Date:

REPORT REVIEWED AND CONFIRMED BY:

Signature:

Name:

(CAPITALS)

(Registered Qualified Supervisor for the Approved Contractor at J)

Date:

H. SCHEDULES AND ADDITIONAL PAGES

Schedule of Inspections: Page(s) No 4, 5, 6

Additional pages, including data sheets for additional source(s): Page No(s)

Schedule of Circuit Details for the installation: Page No(s) 7

Schedule of Test Results for the installation: Page No(s) 7

The pages identified are an essential part of this report. The report is valid only if accompanied by all the schedules and additional pages identified above.

Additional pages? No ☒ Yes ☐ Specify page No(s):
† One of the following codes, as appropriate, has been allocated to each of the observations made above to indicate to the person(s) responsible for the installation the degree of urgency for remedial action:
Code C1 'Danger present'. Risk of injury. Immediate remedial action required.
Code C2 'Potentially dangerous'. Urgent remedial action required.
Code C3 'Improvement recommended'.
Please see the reverse of this page for guidance regarding the Classification codes.

Immediate remedial action required for items:
Urgent remedial action required for items:
Further investigation required for items:
Improvement recommended for items:



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Next Section

!We recommend that this installation is further inspected and tested after an interval of not more than:

5 YEARS
(Enter interval in terms of years)

Trading title: FASTEC

Address: 1 Buckraa

Telephone number: 07939174988

Email address:

Enrolment number:
(Essential information)

Postcode: 5377

Branch number:
(if applicable)

(Enter interval in terms of years or months, as appropriate)

K SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

System type(s)	Number and type of live conductors			Nature of supply parameters					BS(EN)
TNS	✓	a.c.	Other (please state)	Nominal voltage(s) U_{Nv}	Nominal frequency, f_N	Prospective fault current, I_{pf}	External earth fault loop impedance, Z_e	Notes: (1) by enquiry (2) by enquiry or by measurement (3) where more than one source, record the higher or highest value (4) by measurement	Type
TNCS	—	1-phase (2-wire) 2-phase (3-wire) 3-phase (3-wire)	1-phase (3-wire) 3-phase (4-wire)	230 V	50 Hz	230 kA	0.6 Ω	(1) by enquiry (2) by enquiry or by measurement (3) where more than one source, record the higher or highest value (4) by measurement	Rated current
TT									Short-circuit capacity
									Confirmation of supply polarity

1. PARTICULARS OF INSTALLATION AT THE ORIGIN

Means of earthing				Details of installation earth electrode (where applicable)			
Distributor's facility:	✓	Type: (eg rods, tapes etc)	Location:				
Installation earth electrode:		Electrode resistance, R _a :	(52) Method of measurement				
Main switch or circuit-breaker				Earthing and protective bonding conductors			
Type BS(EN)	6047-3	Voltage rating	440 V				
No of poles	2	Rated current, I _n	100 A				
Primary supply conductors (material)	Copper	RCD operating current, I _{Δn}	30 mA				
Primary supply conductors (cse)	35 mm ²	Rated time delay	— ms				
		RCD operating time at I _{Δn}	200 ms				
Earthing conductor				Main protective bonding conductors			
Conductor material				Conductor material			
Copper				Copper			
Conductor csa				Conductor csa			
16 mm ²				10 mm ²			
Connection/continuity verified				Connection/continuity verified			
✓				✓			
				Bonding of extraneous-conductive-parts (✓)			
				Water service			
				Oil service			
				Gas service			
				Structural steel			
				Other incoming service(s)			
				Specify			

* Applicable only where an RCD is suitable and is used as a main circuit-breaker



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SCHEDULE OF INSPECTIONS

Item Description	Outcome*	Location reference	Item Description	Outcome*	Location reference
1.0 Condition/adequacy of distributor/supply intake equipment			4.0 Consumer unit(s)		
1.1 Service cable	✓		4.1 Adequacy of working space or access to consumer unit	✓	
1.2 Service cut-out/fuse(s)	✓		4.2 Security of fixing	✓	
1.3 Meter tails - distributor	✓		4.3 Condition of enclosure(s) in terms of IP rating	✓	
1.4 Meter tails - consumer	✓		4.4 Condition of enclosure(s) in terms of fire rating	✓	
1.5 Metering equipment	✓		4.5 Enclosure not damaged/deteriorated so as to impair safety	✓	
1.6 Means of main isolation (where present)	✓		4.6 Presence of linked main switch	✓	
2.0 Presence of adequate arrangements for other sources (microgenerators etc)	N/A		4.7 Operation of main switch (functional check)	✓	
3.0 Earthing and bonding arrangements			4.8 Manual operation of circuit-breakers and RCDs to prove disconnection	✓	
3.1 Presence and condition of distributor's earthing arrangement	✓		4.9 Correct identification of circuits and protective devices	✓	
3.2 Presence and condition of earth electrode connection	✓		4.10 Presence of RCD test notice at or near consumer unit	✓	
3.3 Confirmation of adequate earthing conductor size	✓		4.11 Presence of non-standard (mixed) cable colour warning notice at or near consumer unit	✓	
3.4 Accessibility and condition of earthing conductor at Main Earthing Terminal (MET)	✓		4.12 Presence of alternative supply warning notice at or near consumer unit	N/A	
3.5 Confirmation of adequate main protective bonding conductor sizes	✓		4.13 Presence of replacement next inspection recommendation label	✓	
3.6 Condition and accessibility of main protective bonding conductor connections	✓		4.14 Presence of other required labelling (please specify)	✓	
3.7 Provision of earthing and bonding labels at all appropriate locations	✓		4.15 Examination of protective device(s) and base(s); correct type and rating (no signs of unacceptable thermal damage, arcing or overheating)	✓	
			4.16 Single-pole protective devices in the line conductor only	✓	

* All boxes must be completed.
✓ indicates Acceptable condition
N/A indicates a limitation
Improvement recommended state C3
Further investigation required state F/I (to determine whether danger or potential danger exists)
Outcome Provide additional comment where appropriate on attached numbered sheets C1, C2 and C3 coded items to be recorded in section F of the report.
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SCHEDULE OF INSPECTIONS

Item Description Outcome* Location reference

Item Description Outcome* Location reference

4.17 Protection against mechanical damage where cables enter metallic consumer unit
✓
4.18 Protection against electromagnetic effects where cables enter metallic consumer unit/enclosure
✓
4.19 RCDs provided for fault protection – includes RCB0s
✓
4.20 RCDs provided for additional protection – includes RCB0s
✓
5.0 Final circuits
5.1 Identification of conductors
✓
5.2 Cables correctly supported throughout their run
✓
5.3 Condition of insulation of live parts
✓
5.4 Non-sheathed cables protected by enclosure in conduit, ducting or trunking (including confirmation of the integrity of conduit and trunking systems)
✓
5.5 Adequacy of cables for current-carrying capacity with regard to the type and nature of installation
✓
5.6 Adequacy of protective devices: type and rated current for fault protection
✓
5.7 Presence and adequacy of circuit protective conductors
✓
5.8 Co-ordination between conductors and overload protective devices
✓
5.9 Wiring system(s) appropriate for the type and nature of the installation and external influences
✓
5.10 Concealed cables installed in prescribed zones (see extent and limitations)
✓

5.11 Concealed cables incorporating earthed armour or sheath, or run within earthed wiring containment system, or otherwise protected against mechanical damage from nails, screws and the like where not in prescribed zones or not protected by 30 mA RCD (see extent and limitations)
✓
5.12 Provision of additional protection by RCD not exceeding 30 mA
• used to supply mobile equipment not exceeding 32 A rating for use outdoors
✓
• for all socket-outlets not exceeding 20 A rating unless exempt
✓
• for cables concealed in walls or partitions
✓
5.13 Provision of fire barriers, sealing arrangements and protection against thermal effects
✓
5.14 Band II cables segregated/separated from Band I cables
✓
5.15 Cables segregated/separated from communications cabling
✓
5.16 Cables segregated/separated from non-electrical services
✓
5.17 Termination of cables at enclosures (extent of sampling indicated in Section D of the report)
• Connections soundly made and under no undue strain
✓
• No basic insulation of a conductor visible outside enclosures
✓
• Connections of live conductors adequately enclosed
✓
• Adequately connected at point of entry to enclosure (glands, bushes etc.)
✓

* All boxes must be completed.

✓ indicates Acceptable condition
LM indicates a Limitation

N/A indicates Not applicable
Unacceptable condition state C1 or C2
Improvement recommended state C3

Further investigation required state F1
(to determine whether danger or potential danger exists)

Outcome
Provide additional comment where appropriate on attached numbered sheets
C1, C2 and C3 coded items to be recorded in section F of the report

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SCHEDULE OF INSPECTIONS

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Item Description Outcome* Location reference

5.18 Condition of accessories including socket-outlets, switches and joint boxes

5.19 Suitability of accessories for external influences

6.0 Isolation and switching (isolation, switching off for mechanical maintenance, emergency switching/stopping and functional switching)

6.1 In general

• presence and condition of appropriate devices

• correct operation verified

6.2 For isolation and switching for mechanical maintenance only

• capable of being secured in the OFF position where appropriate

• acceptable location – state if local or remote from equipment being controlled where appropriate

• clearly identified by position and/or durable marking(s)

6.3 For isolation only

• warning label(s) posted in situations where live parts cannot be isolated by the operation of a single device

6.4 For emergency switching/stopping only

• readily accessible for operation where danger might occur

7.0 Current-using equipment (Permanently connected)

7.1 Condition of equipment in terms of IP rating

7.2 Equipment does not constitute a fire hazard

7.3 Enclosure not damaged/deteriorated so as to impair safety

7.4 Suitability for the environment and external influences

7.5 Security of fixing

Item Description Outcome* Location reference

7.6 Cable entry holes in ceiling above luminaires, sized or sealed so as to restrict the spread of fire

List number and location of luminaires inspected. (Separate page)

7.7 Recessed luminaires (downlighters)

• correct type of lamps fitted

• installed to minimise build-up of heat by use of 'fire rated' fittings, insulation displacement box or similar

• no signs of overheating to surrounding building fabric

• no signs of overheating to conductors/terminations

8.0 Location(s) containing a bath or shower

8.1 Additional protection for all low voltage (LV) circuits by RCD not exceeding 30 mA

8.2 Where used as a protective measure, requirements for SELV or PELV are met

8.3 Shaver sockets comply with BS EN 61558-2-5 or BS 3535

8.4 Presence of supplementary bonding conductors unless not required by BS 7671: 2008

8.5 Low voltage (e.g. 230 volts) socket-outlets sited at least 3 m from zone 1

8.6 Suitability of equipment for external influences for installed location in terms of IP rating

8.7 Suitability of equipment for installation in a particular zone

8.8 Suitability of current-using equipment for a particular position within the location

9.0 Other special installations or locations - Part 7s

9.1 List all other special installations or locations present, if any. Record the results of particular inspection applied separately

* All boxes must be completed.

N/A indicates Not applicable

✓ indicates Acceptable condition

Unacceptable condition state C1 or C2

Further investigation required state F/1 (to determine whether danger or potential danger exists)

Outcome

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SCHEDULES

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CIRCUIT DETAILS

Circuit designation
* To be completed only where this consumer unit is remote from the origin of the installation.
Record details of the circuit supplying this consumer unit in the bold box.

Type of wiring (see code)

Reference method (see Appendix 4 of BS 7671)

Number of points served

Circuit conductors: csa

Live (mm²)

CPC (mm²)

Max. disconnection time permitted by BS 7671 (s)

Overcurrent protective devices

BS (EN)

Type

Rating (A)

Short-circuit capacity (kA)

RCD

Operating current I_{Δn} (mA)

Maximum Z_s permitted by BS 7671 (Ω)

TEST RESULTS

Circuit impedances (Ω)

Ring final circuits only (measured end to end)

r₁

r_n

r₂

(R₁ + R₂)

R_z

All circuits (measured end to end to the equipment)

U_{line}

U_{line/neutral}

U_{line/earth}

U_{neutral/earth}

Polarity

Maximum measured earth fault impedance, Z_s (Ω)

at I_{Δn}

at 5 I_{Δn} (if applicable)

operating time (ms)

Test button operation (ms)

(✓)

TEST INSTRUMENTS

Test instruments (serial numbers) used

Continuity

Earth electrode resistance

Earth fault loop impedance

RCD

Location of consumer unit

Designation of consumer unit

Prospective fault current at consumer unit

2.30 kA

CODES FOR TYPE OF WIRING

A	B	C	D	E	F	G	H	O (Other - please state)
Thermoplastic insulated in-sheathed cables	Thermoplastic cables in metallic conduit	Thermoplastic cables in non-metallic conduit	Thermoplastic cables in non-metallic trunking	Thermoplastic cables in metallic trunking	Thermoplastic/SWA cables	Thermosetting/SWA cables	Mineral-insulated cables	

Original (To the person ordering the work)